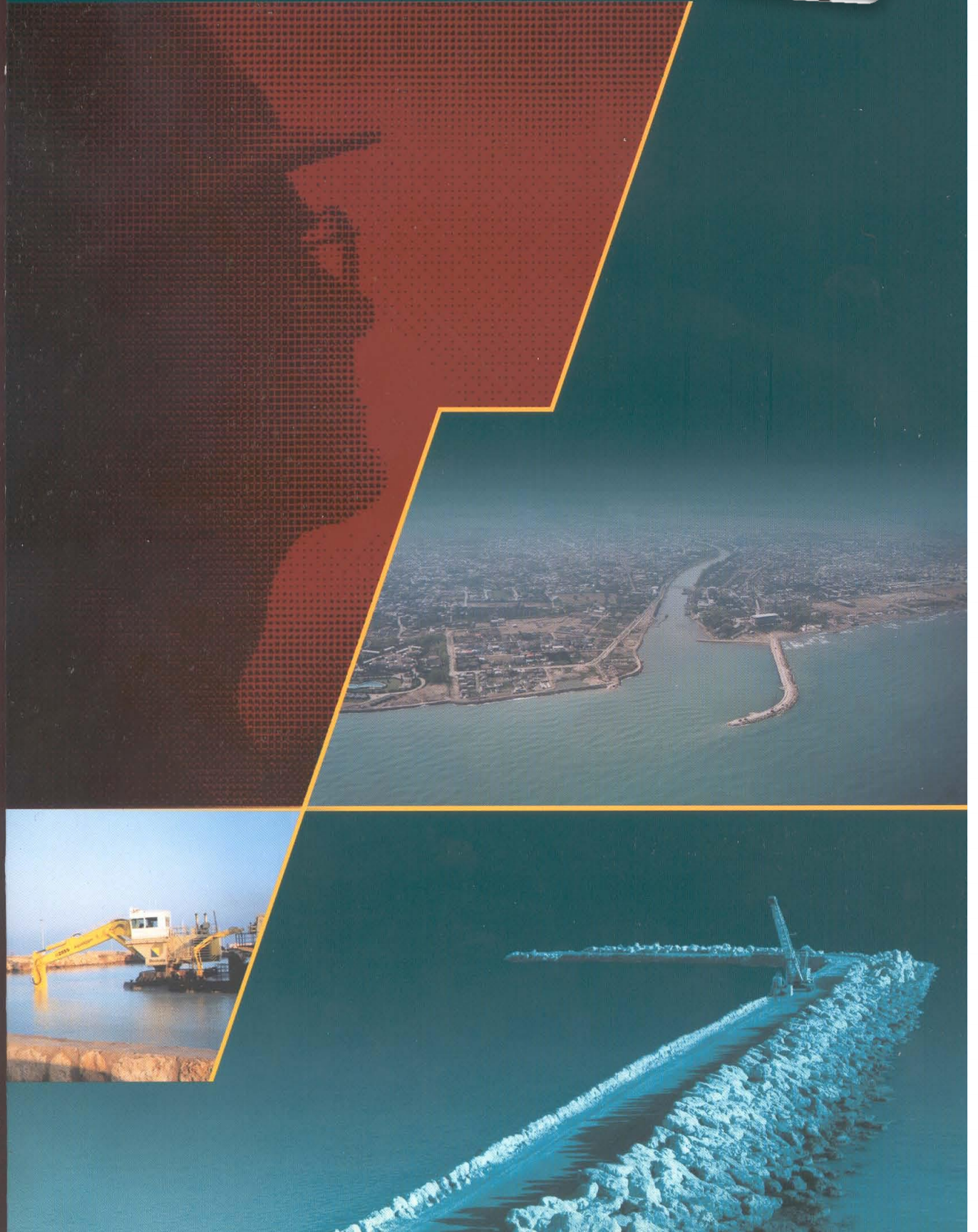


aryazeh
مهندسين مشاور
Consulting Engs.



Darya Sazeh consulting engineers was established in 1986 and during the past several years has been mainly active in more than 100 design , supervision and management projects in the fields of marine works & port construction , water resources & transmission pipelines , dam construction & river eng. , water & waste water facilities , industrial design of port terminals , petrochemical , oil & gas projects and related buildings & areas . Therefore considering the experience in such fields , has a competent technical staff , a rich archive and valuable scientific expertise along with relevant specialized computer software . Darya Sazeh had authorized by president Deputy strategic planning & control of IRAN at following Engineering services :

- Port construction & Marine structures consultancy
- Dam construction & water resources development consultancy
- Water & wastewater facilities consultancy
- Port construction & Marine structures project management
- Dam construction & water resources development project management

Quality management system of company is according to ISO 9001 : 2008 standard has been certificated by UNICERT .

Darya Sazeh Consulting Engineers is mainly active in four different departments of which short descriptions are mentioned below :

1- Design & Supervision of Ports & Marine Structures and related buildings & facilities projects

Important projects of department are listed below which most of them are constructed or under construction :

- Design & Supervision of fishing ports of Sistan & Bloochestan province (Tang , Ramin , . . .)
- Design & Supervision of Chabahar Commercial ports Shahid Kalantari & Shahid Beheshti Jetties
- Redesign & Supervision Chabahar sport complex
- Design & Supervision of residential place buildings of port general office in Chabahar
- Design & Supervision of Pasa Bandar multipurpose port

- Mathematical modeling of hydrodynamics & drift in Pasa Bandar coast
- Design of harbor & breakwaters of Chabahar shipyard complex
- Design of sea water intake of Konarak water desalination plant
- Design & Supervision of fishing ports of Hormozgan province (kuhestak , Bostaneh & Javad al Aemeh , . . .)
- Design & Supervision of fishing ports of Hormozgan province Islands (Lavan , Farur , Basaeedu in Qeshm , . . .)
- Design of Shahid Darvishi Shipyard complex in Bandar Abbas
- Design of Bandar Abbas power plant sea water intake & out fall expansion systems
- Design of repair & maintaining of foolad Jetty in Bandar Abbas
- Design & Supervision of specialized export container terminal in Shahid Rajaei port of Bandar Abbas
- Design of Maritime building & Service office complex of Shahid Rajaei port of Bandar Abbas
- Design of Almahdi breakwaters Expansion in Bandar Abbas
- Supervision of Mehvar Talaei Oil site Construction in Shahid Rajaei port
- Design of Kish ports (Marina , Tourism – sport and Ship yard Complex)
- Design & Supervision of Breakwaters extension & Dike of Kish commercial port
- Design & Supervision of existing berths repair in Kish Commercial port
- Design & Supervision of Kish Complex port expansion in two Construction phase including 2000 m long breakwaters on max – 17 m CD and 2000 m long Berths with max depth - 14 m CD and dredged of 4 million cubic meter volume up to depth – 14 m CD .
- Design & Supervision of Kish oil jetty
- Design & Supervision of Mirmohana – Kish marina jetty
- Design of Kish fishing port
- Design of Container Berths of Kish port Expansion 2nd phase .
- Design & Supervision of sea waters intake of Qeshm Island water desalination plant

- Design & Supervision of fishing ports in Bushehr province (Jalali , Helleyleh , Lavar Saheli , Emam Hasan , Bordekhune , . . .)
- Design of Bahregan logistic jetty
- Design of Bushehr area berths repair of IOOC
- Design of artificial fish farmings in Bushehr province
- Design & Supervision of Khark Island logistic port repair & Expansion
- Design of Mehvar Talaei oil site in Imam Khomeini port
- Design of Energy Daryaye Khazar in Imam Khomeini port
- Design of Anzali Navy logistic jetty repair
- Design & Supervision of Astara multipurpose port and fishing berths , Buildings & areas .
- Design & Supervision of Babolsar multipurpose port & fishing buildings
- Supervision of Amirabad multipurpose port west sea wall
- Master development plan of oil ports of Iran
- Feasibility study of Persian Gulf – Caspian sea water Channel

2- Design & Supervision of water resources , Dam Construction & river engineering Projects

Important projects of department are listed below :

- Design of Kaju river rehabilitation & Shirgavaz dam water resources improvement
- Design of Lend reservoir / diversion dam
- Design of supervision of Dodar Ladiz regulating dams and related facilities
- Kahir dam financial supply study
- Evaluating engineering studies for Ladiz dam body & spillway

3- Main Consultant and EPC Supervision Projects

The most important of this department projects is Bushehr commercial port expansion with 388 m long Container wharf and -12 m CD depth , 1700 m breakwater & dike and dredging volume 14 million cubic meter and Max depth -11 m CD

4- Project Management of special projects

- Darya Sazeh has performed the project Management of several river & Dam engineering Projects and also expansion of the greatest complex port of Iran the most important of which are :

a) Sistan Flood Works Rehabilitation Projects

- Hirmand river flood direction 3200 m³/sec
- Hamun lake protection dike implementation approx. 100 km
- Sistan river protection dike implementation approx. 200km
- Niatak Spillway implementation with a capacity of 600 m³/sec
- Niatak river banks protection dike implementation approx. 80km
- Sistan river dredging with approximate volume of 5.000.000 m³

b) Water Transmission Project from Chah-Nime/ Zabol to Zahedan

- Transmission of approx 1 m³/sec water from zabol Chah - Nimeh lakes to Zahedan city
- Steel pipeline – 900 mm diameter and 192.4 km long
- Four pump station & relating facilities
- Electricity transmission lines: 63 kv 90 km long and 20 kv 60 km long
- Procurement & installation of pumping station equipment
- Chah-Nimeh tunnel & shaft Water intake
- Water chlorination & treatment facilities

c) **Sar Shileh Dam**

- 14 km long earth dam with 200 m spill way.

d) **Molla Sadra Dam construction Management**

e) **Shahid Rajae complex Port Expansion phase 1**

- 2 posts Container berth , with 1000 m long and depth – 17 m CD for 7 th generation ships (12000 TEU , 145000 DWT) servicing
- Dredging of main basin & Approach Channel , 14 million cubic meter volume
- Land reclamation for marshalling yard (67 Hectare)

f) **Shahid Rajae complex Port Expansion phase 2**

- 6 posts Container berth , with 2020 m long and depth – 16 mCD for 6 th generation ships (8000 TEU , 90000 DWT) servicing
- Dredging of 2nd & 3rd basin & land reclamation , 7 million cubic meter volume
- Marshalling yard (60 Hectare)
- 18 SSGC Gantry crane and 45 RTG transtainer crane

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